

ABSTRACT OF THE DISCLOSURE

[Objective] To develop a method of fabricating carbon nanotube bundles clad in a quartz sheath with high temperature and chemical resistance.

[Method of Fabrication] The microcrystalline carbon nanotube sample in powder form is vacuum-sealed within a quartz tube sheath and heated to the softening temperature of quartz, then quickly quenched to room temperature while simultaneously extending or "drawing" the quartz tube along its major axis.